

(19) World Intellectual Property
Organization
International Bureau



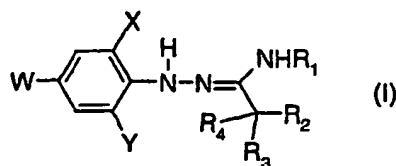
(43) International Publication Date
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number
WO 2005/053403 A3

- (51) International Patent Classification⁷: **A01N 37/52**
- (21) International Application Number:
PCT/EP2004/013687
- (22) International Filing Date: 2 December 2004 (02.12.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/526,609 4 December 2003 (04.12.2003) US
- (71) Applicant (for all designated States except US): **BASF AKTIENGESELLSCHAFT** [DE/DE]; 67056 Ludwigshafen (DE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **VON DEYN, Wolfgang** [DE/DE]; An der Bleiche 24, 67435 Neustadt (DE). **OLOUMI-SADEGHI, Hassan** [US/US]; 12105 Pawley's Mill Circle, Raleigh, NC 27614 (US). **KUHN, David, G.** [US/US]; 1208 Dalgarn Drive, Apex, NC 27502 (US). **ARMES, Nigel** [US/US]; 8001 Kukui Court, Raleigh, NC 27613 (US). **KORADIN, Christopher** [DE/DE]; Riedlangstr. 15, 67067 Ludwigshafen (DE).
- (74) Common Representative: **BASF AKTIENGESELLSCHAFT**; 67056 Ludwigshafen (DE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
- with international search report
 - before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report:
28 July 2005
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: THE USE OF N-ARYLHYDRAZINE DERIVATIVES FOR COMBATING NON-CROP PESTS



(57) Abstract: Use of hydrazine derivatives of formula (I) wherein W is chlorine or trifluoromethyl; X and Y are each independently chlorine or bromine; R¹ is alkyl, alkenyl, alkynyl, or cycloalkyl which may be substituted with 1 to 3 halogen atoms, or alkyl which is substituted by alkoxy; R² and R³ are alkyl or may be taken together to form cycloalkyl which may be unsubstituted or substituted by 1 to 3 halogen atoms; R⁴ is hydrogen or alkyl, or the enantiomers or salts thereof, for combating non-crop pests. Use of compounds of formula (I) for the protection of non-living organic materials and for the protection of animals against non-crop pests.